



# INDUCTIVE CONDUCTIVITY MEASURING CELLS



## S411IND HT

These sensors are manufactured of PEEK™, a food grade material with excellent aggressive chemical resistance and high temperature performance. The construction allows the sensors to operate at 100°C continuously, withstanding thermal shocks commonly associated with CIP applications. The sensors can be sterilized at up to 135°C.

### Applications

Ideal for food and process applications  
Conductivity and concentration measurements  
Wide range of process connections

### Models

- S411IND HT** for insertion
- S411IND HT60/120** for immersion
- S411IND HT TP** for By-pass with PVC T-fitting
- S411IND HT TP** for By-pass with SS T-fitting

### Digitizer for inductive measuring cells

The AD Series Chemitec digitizers convert the conductivity measurement into serial signal with standard Modbus RTU protocol.

## Technical specifications S411IND HT

### Sensore

Operating temperature	- 5 to 100°C – up to 135°C for short periods (CIP process)
Measuring range	1000 uS ... 1000 mS
Temp. compensation	Temperature sensor Pt1000 with 2 wires
Cable	Disconnectable Standard 5 meters
Operating pressure	Vacuum to 10 bar (150 psi)

### Mechanical construction

Materials	PEEK / AISI
Contact materials	Body PEEK – Temperature sensor INOX (PEEK on request)
Immersion length	600 or 1200 mm
Mounting	Standard bracket or optional flange
Connections	RJT 2", 2.5", 3" – Tri clamp 2", 3" – IDF/ISS 2", 2.5", 3" DIN 1185: 50mm, 80mm (other on request)
Protection grade	IP67